

FIG. 1

FIG. 2A

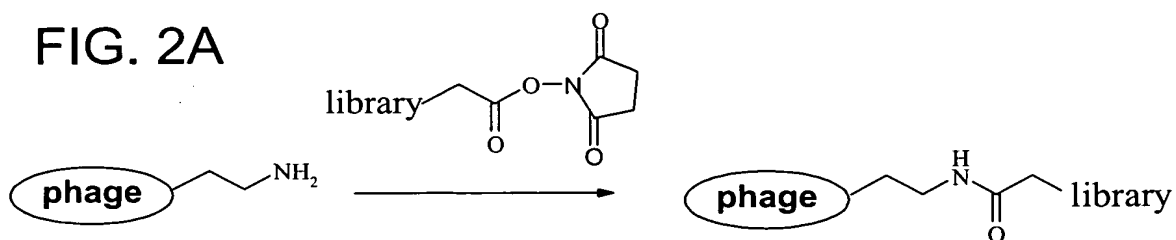


FIG. 2B

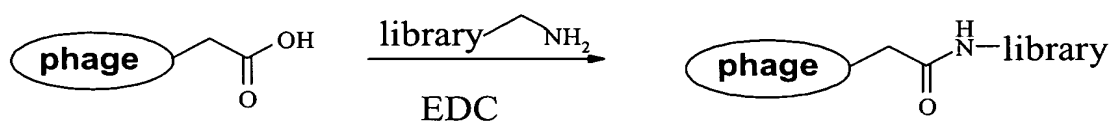


FIG. 2C

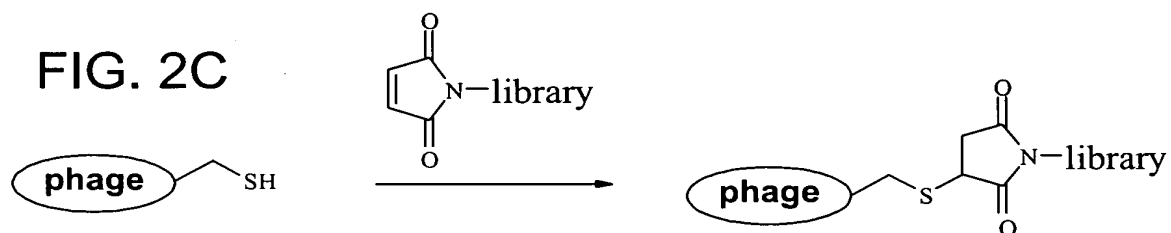


FIG. 2D

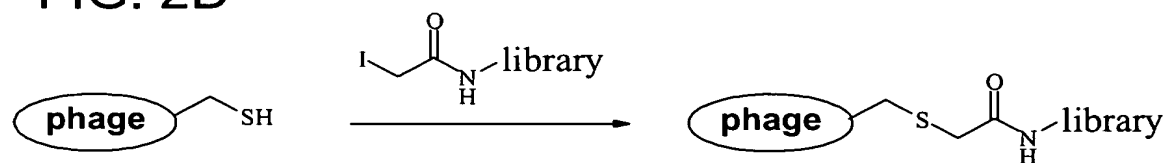


FIG. 3A

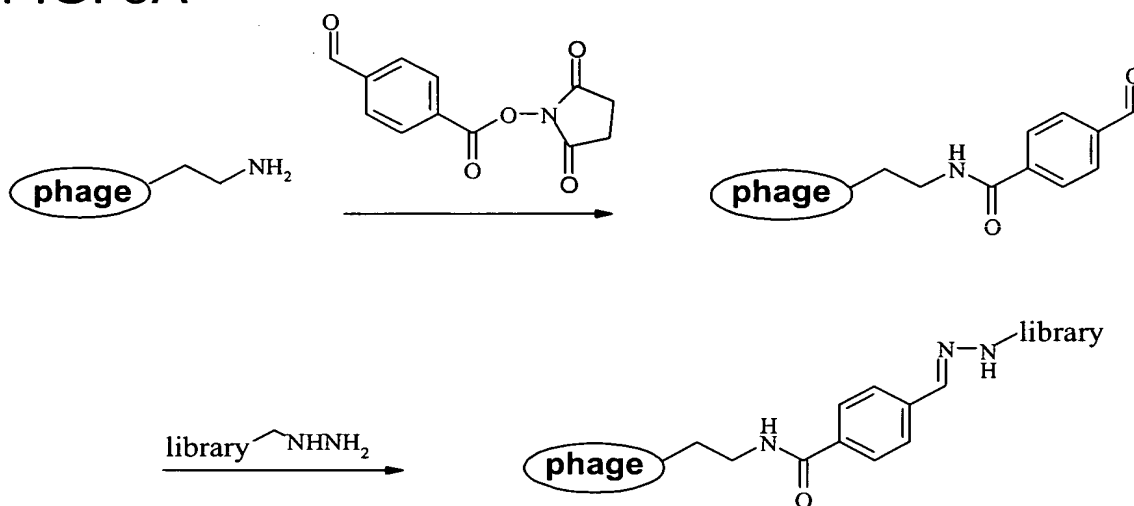
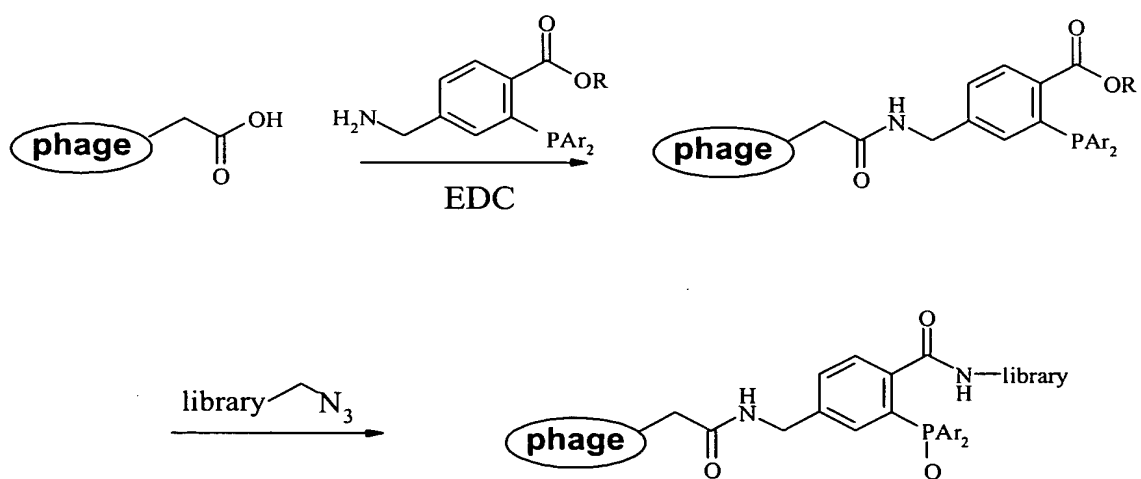


FIG. 3B



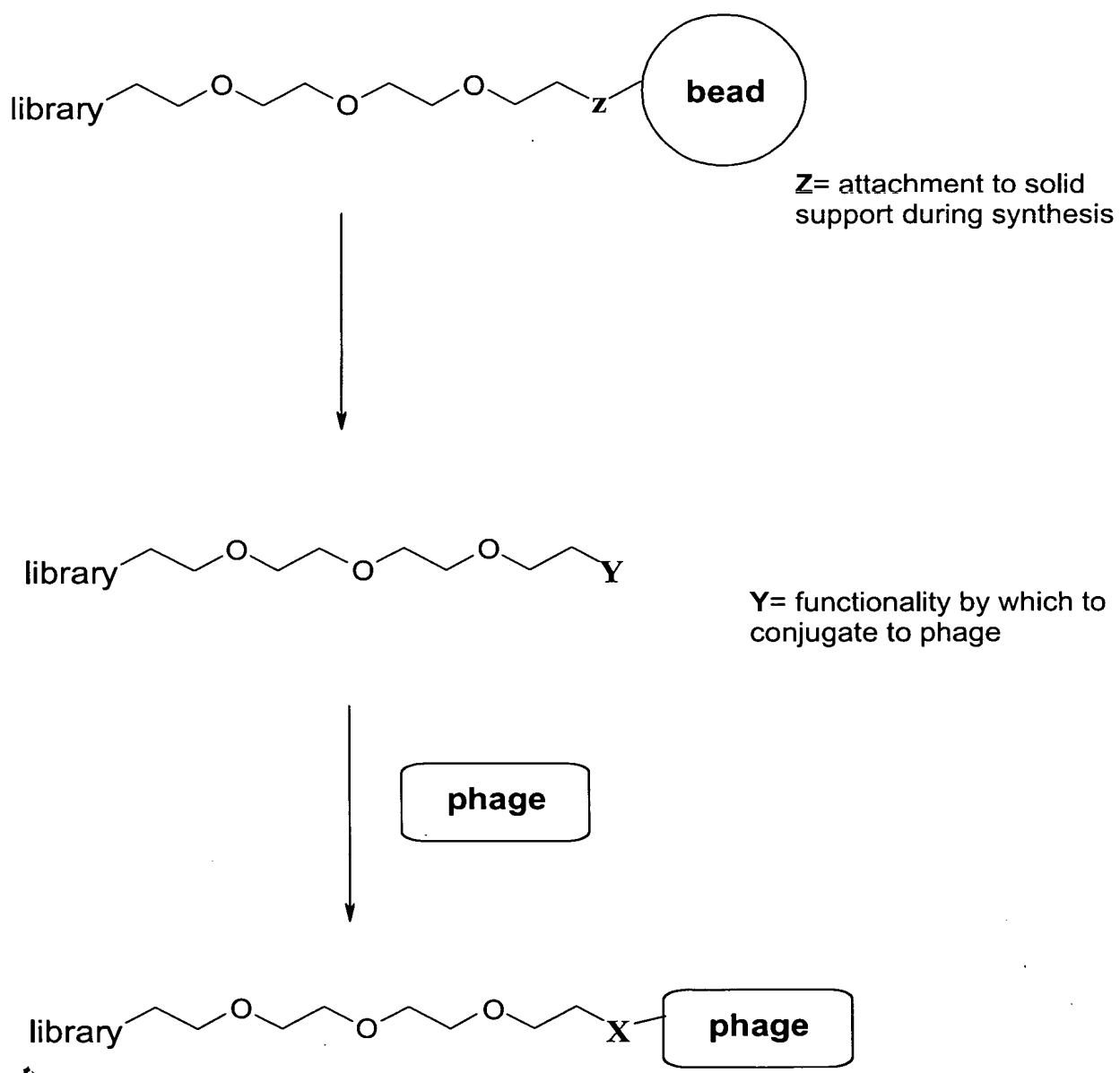


FIG. 4

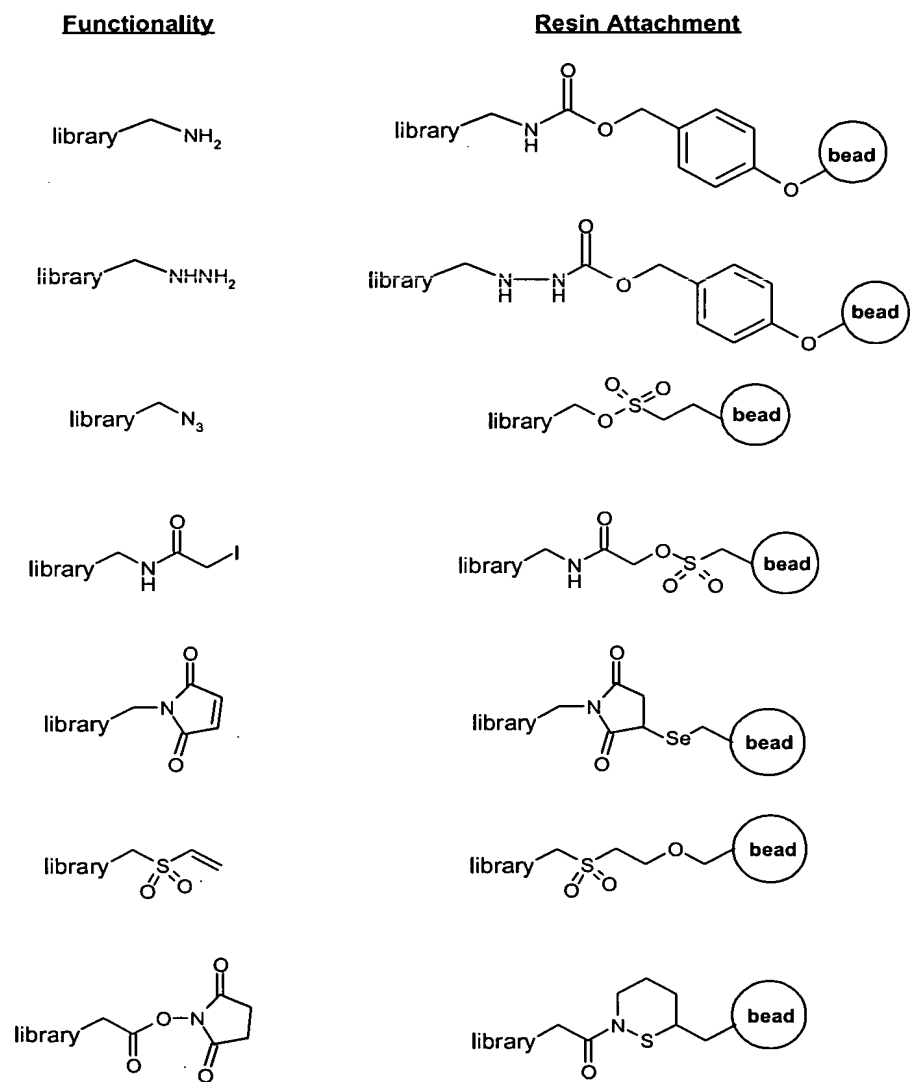


FIG. 5

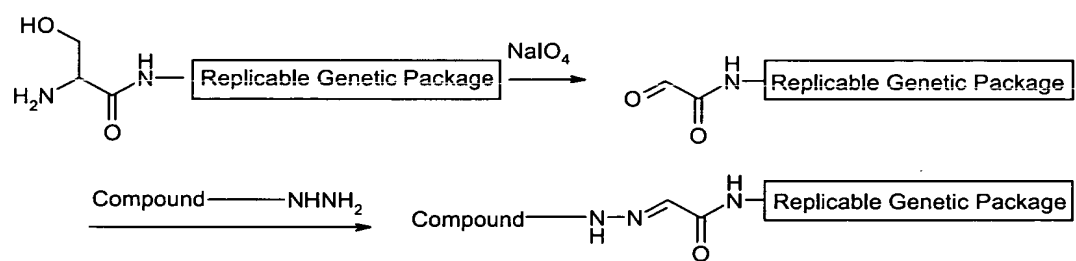


FIG. 6

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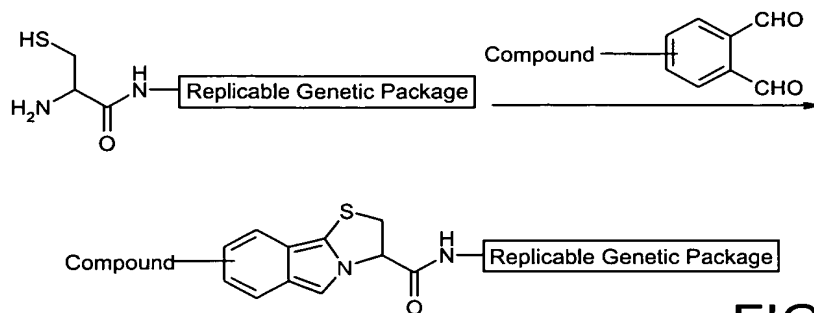


FIG. 7A

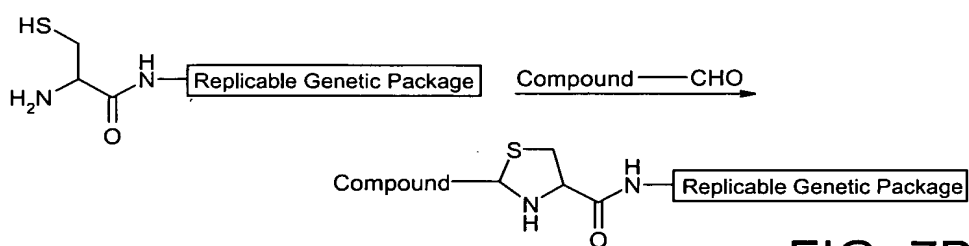


FIG. 7B

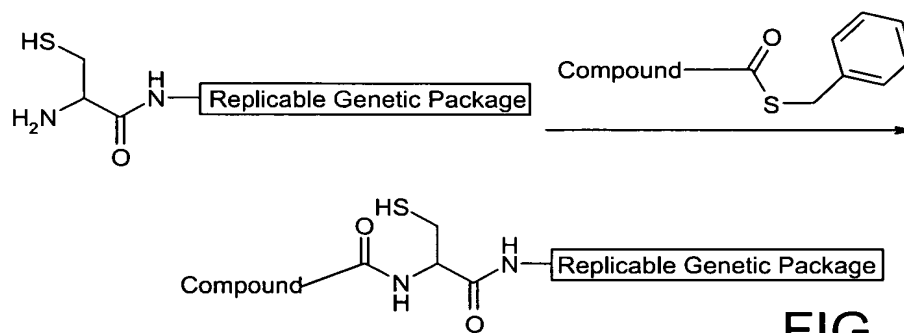


FIG. 7C

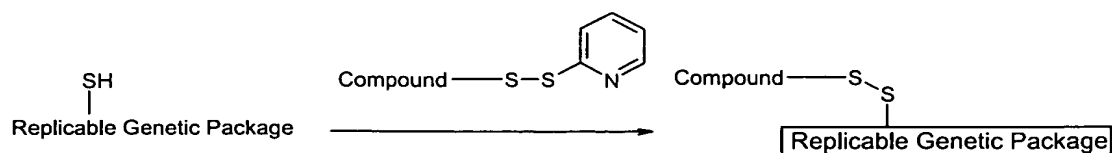


FIG. 7D

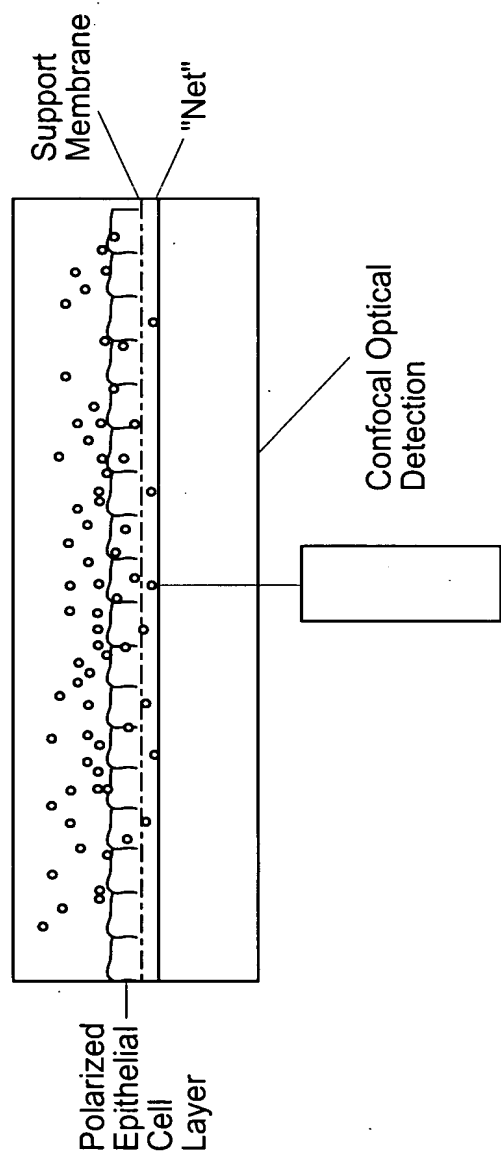
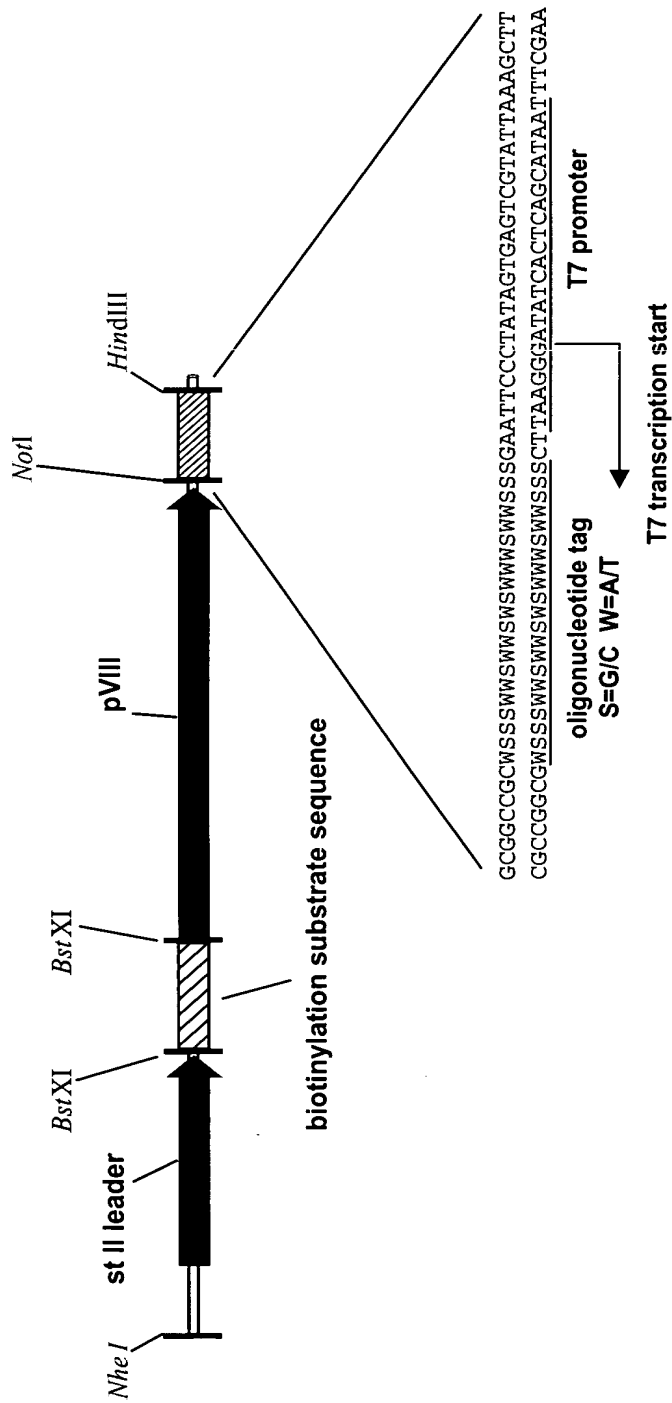


FIG. 8

Filamentous phagemid display (gene VIII)



9
G.
F

Filamentous phagemid display (gene VIII)

biotin
|
G G L N D I F E A Q K I E W H E G G G S
GGCGGGCTTAATGATATTTTGAGGCTCAGAAGATTGAGTGGCATGAGGGCGGGGTAGC . . gene 8
biotinylation substrate sequence flexible spacer

FIG. 10A

T7 display (gene 10B)

biotin
|
N S G G G L N D I F E A Q K I E W H E *
gene 10B . . AATTCTGAGGCGGGGTCTTAATGATATTTTGAGGCTCAGAAGATTGAGTGGCATGAGTAAGTAATAA
spacer biotinylation substrate sequence

FIG. 10B

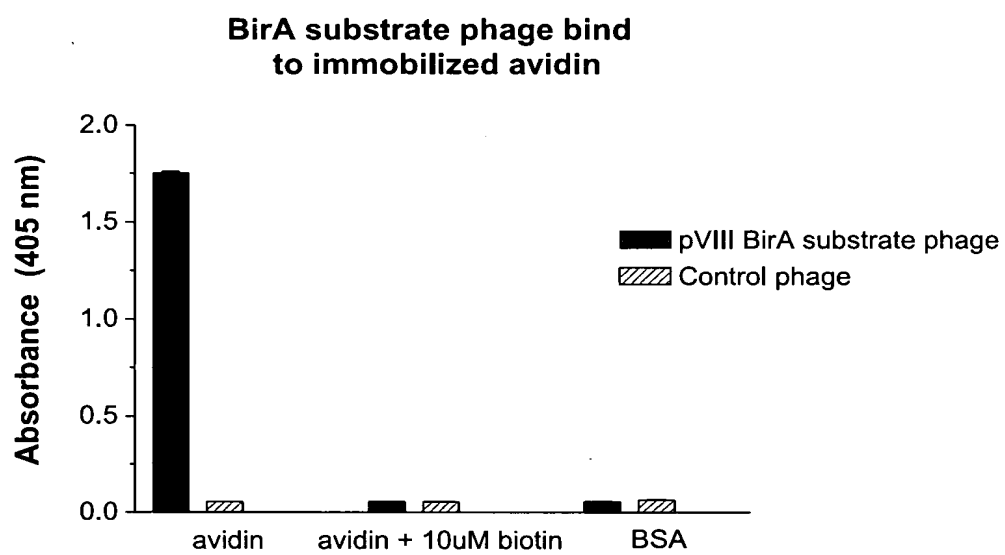


FIG. 11

T7 display (gene 10B)

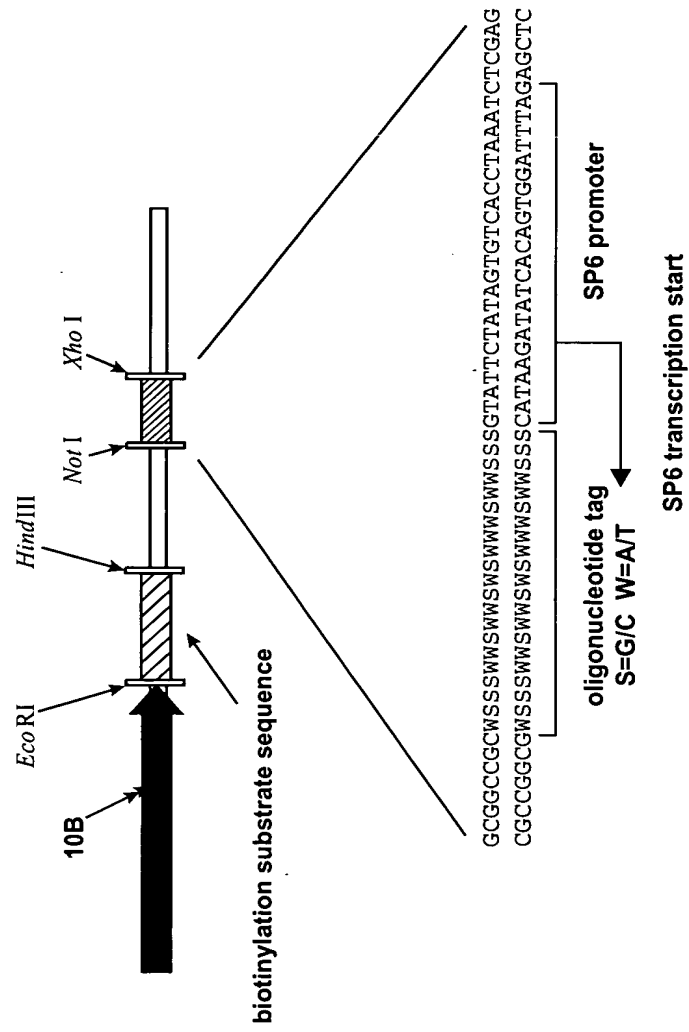


FIG. 12

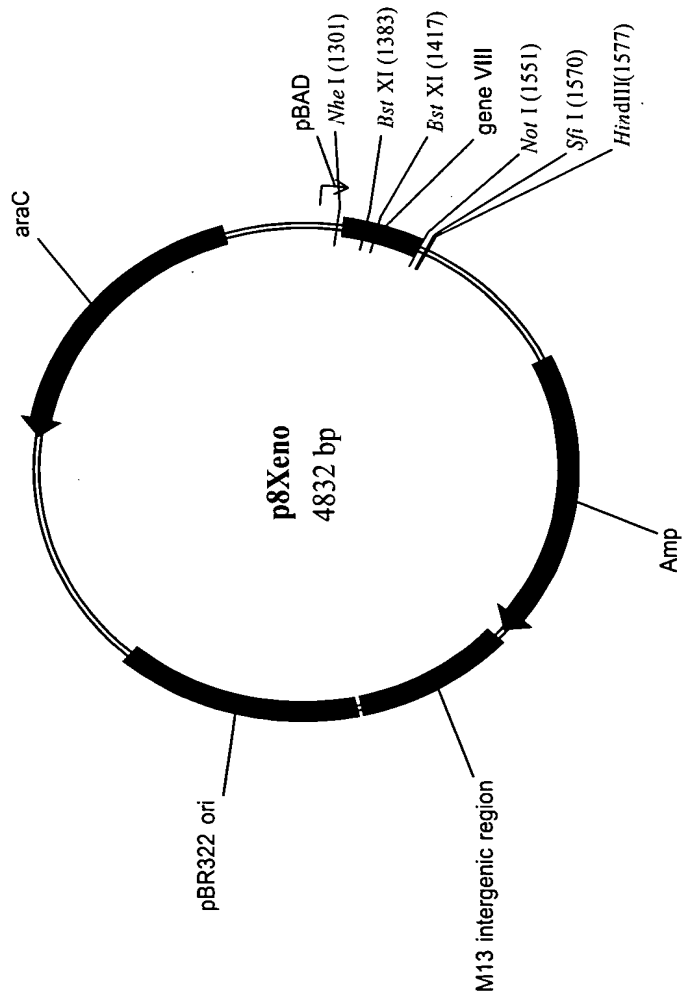


FIG. 13

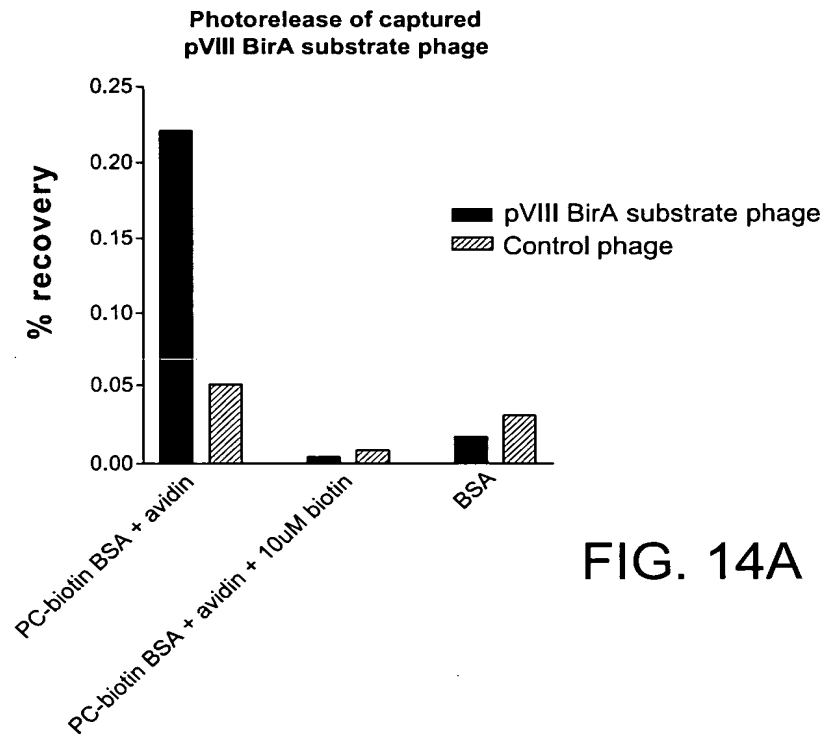


FIG. 14A

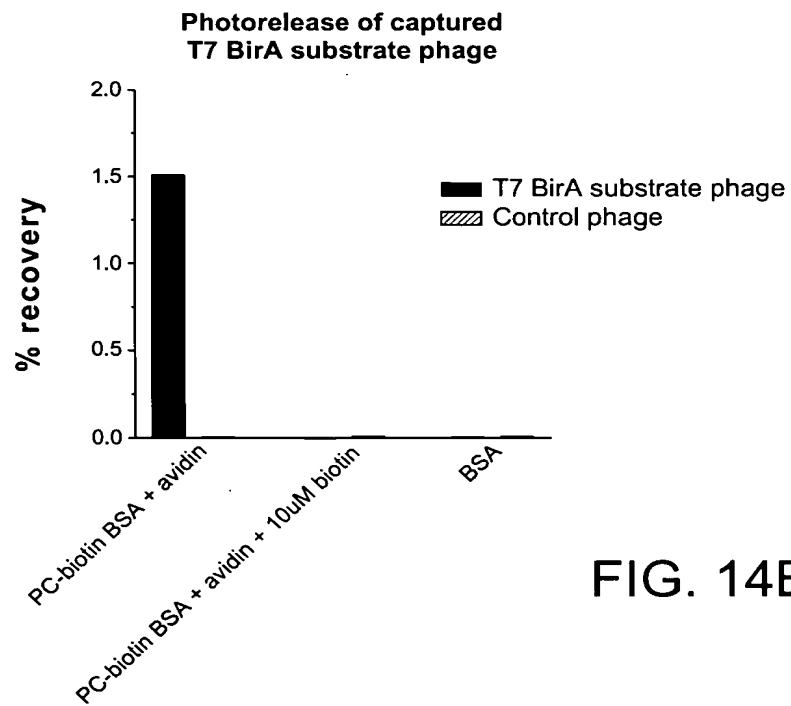


FIG. 14B

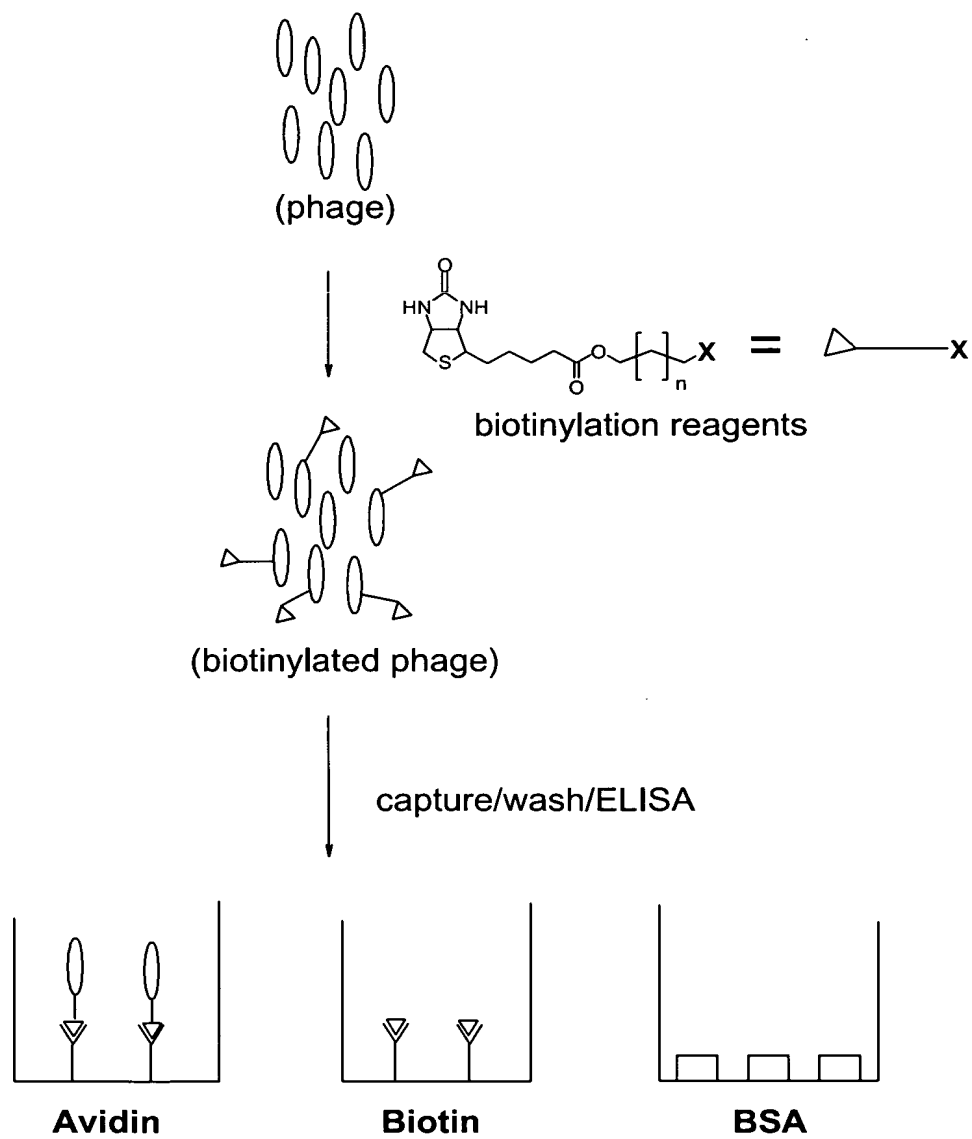


FIG. 15

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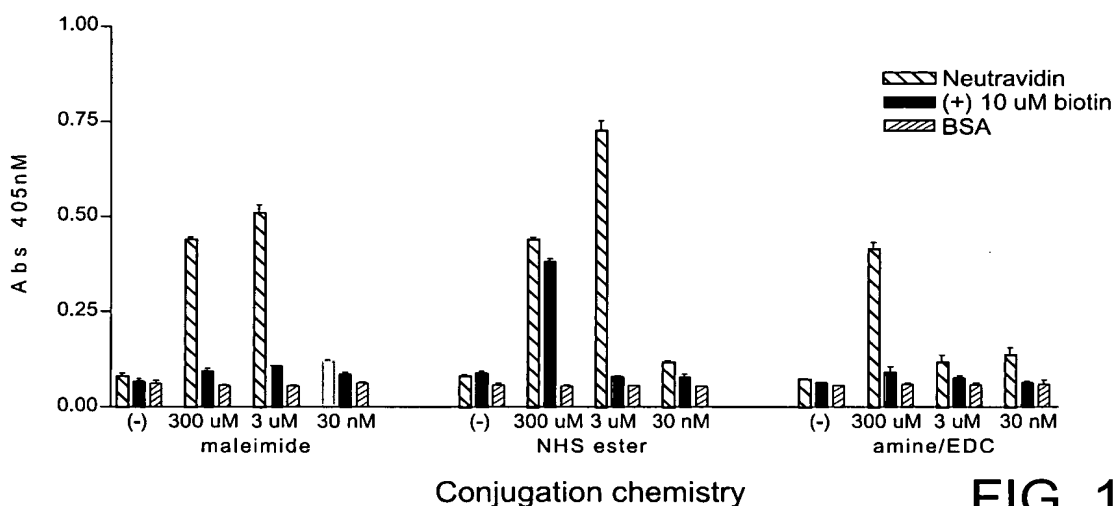
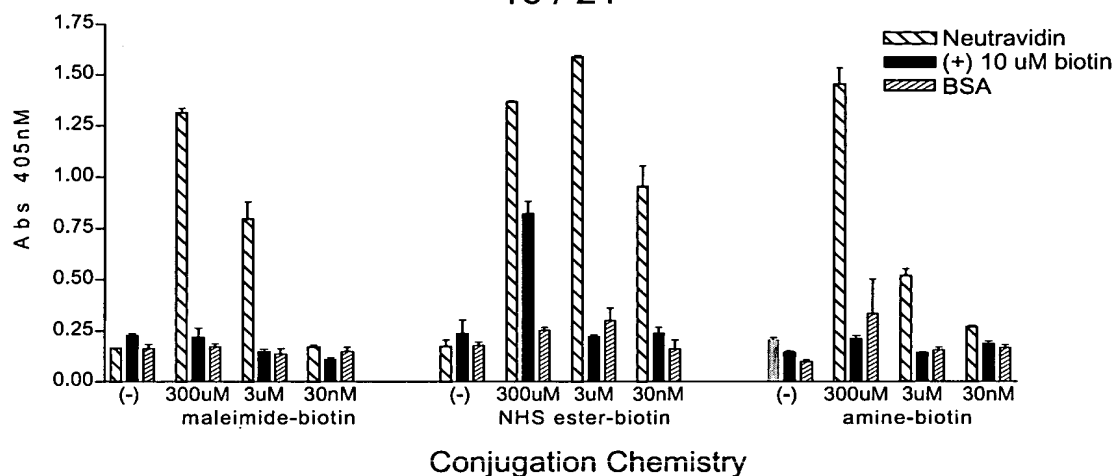


FIG. 16B

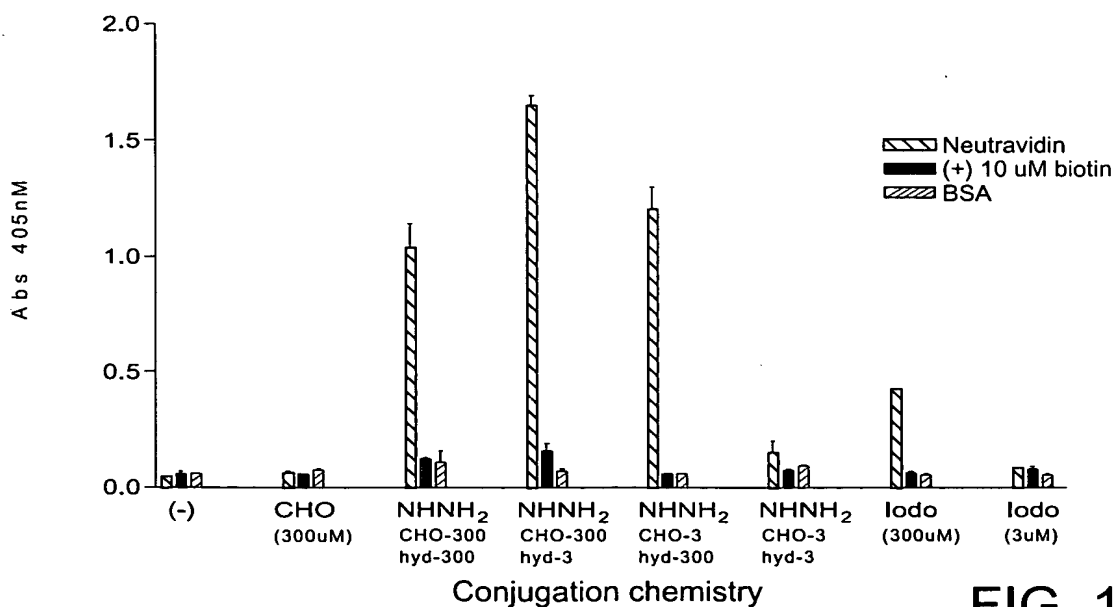


FIG. 16C

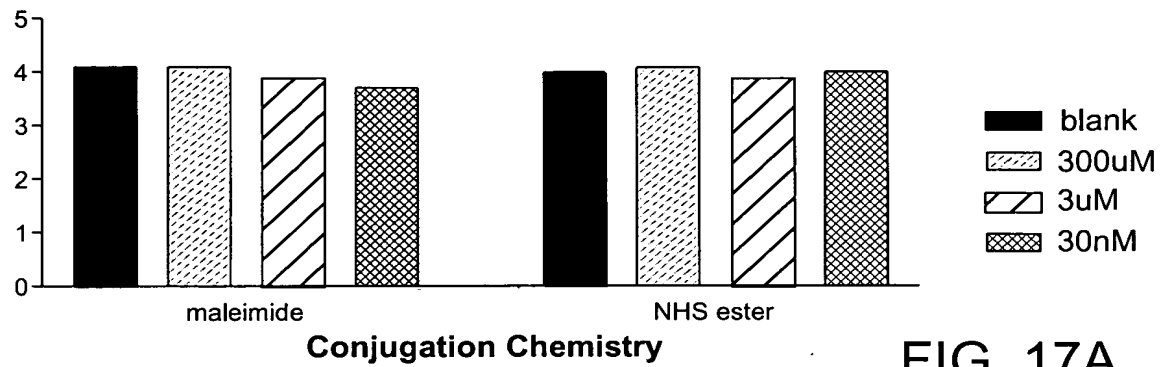


FIG. 17A

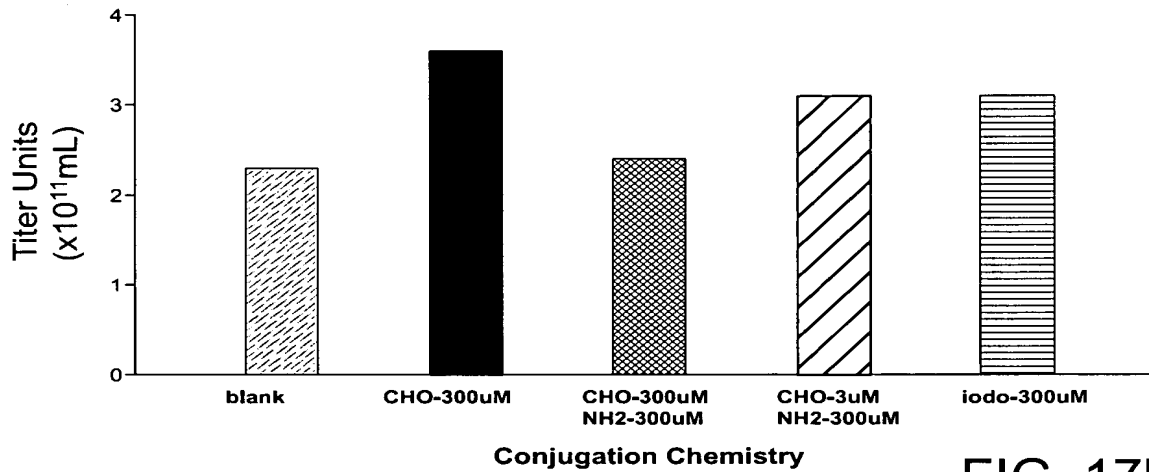


FIG. 17B

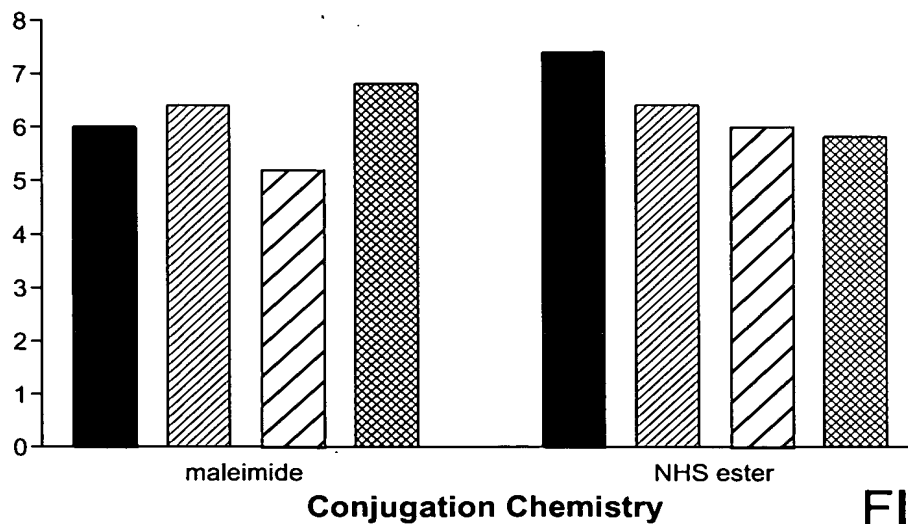


FIG. 17C

FIG. 18

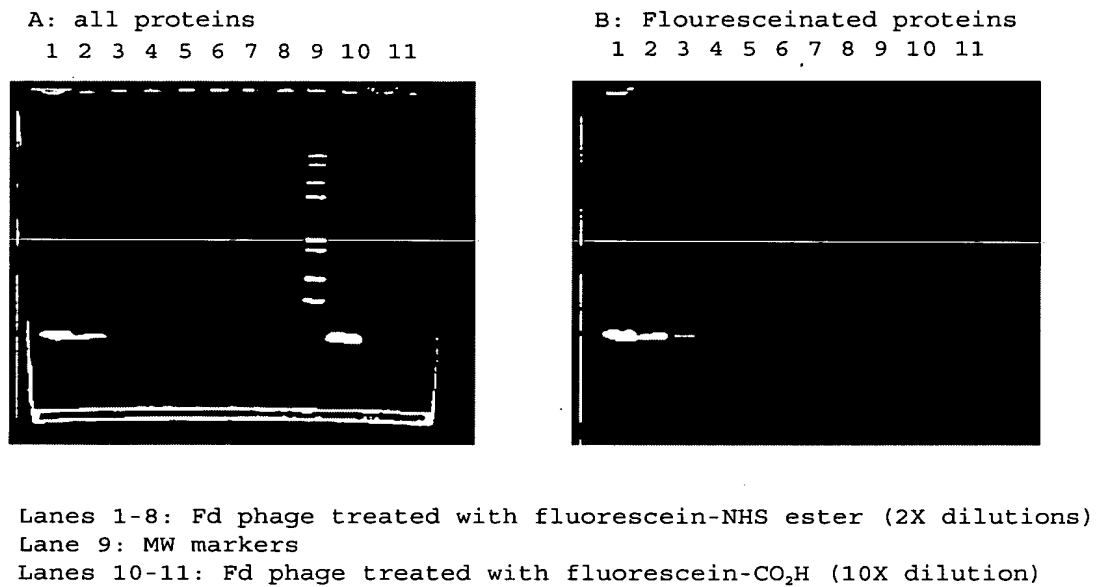
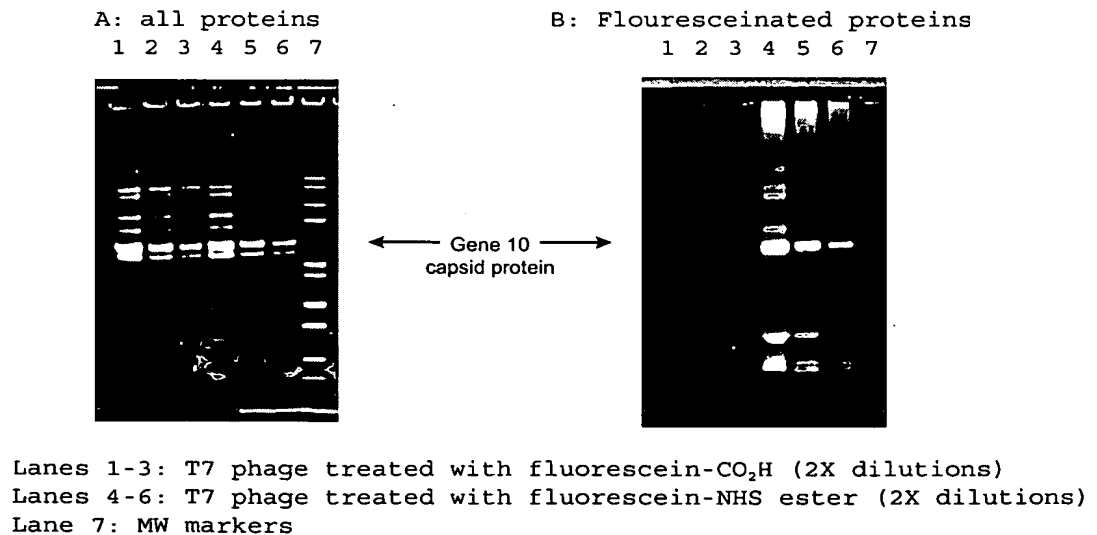


FIG. 19



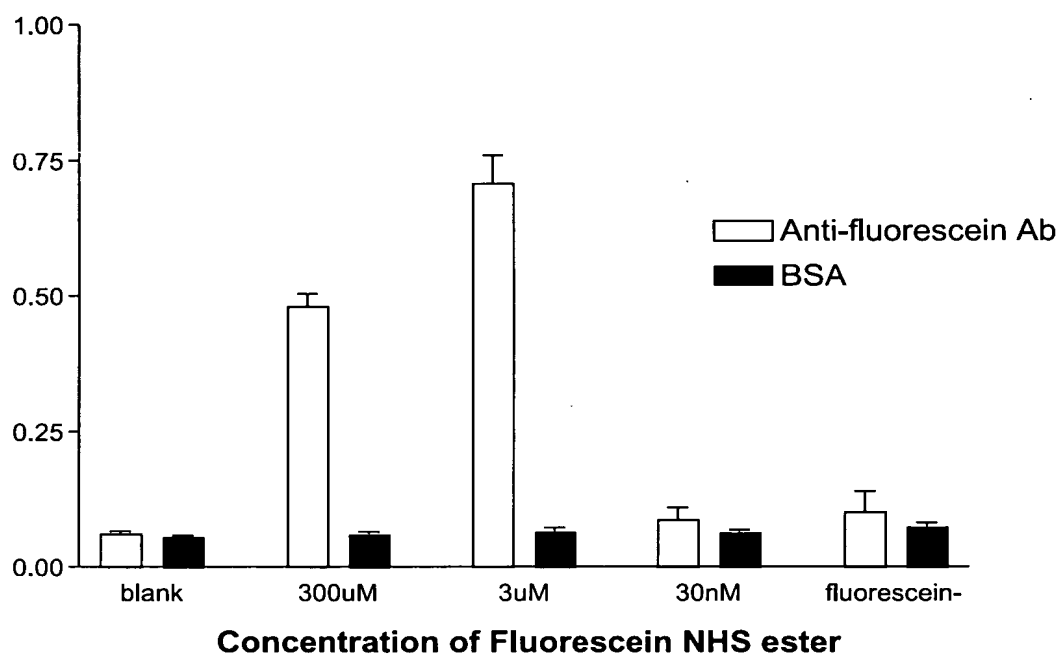


FIG. 20

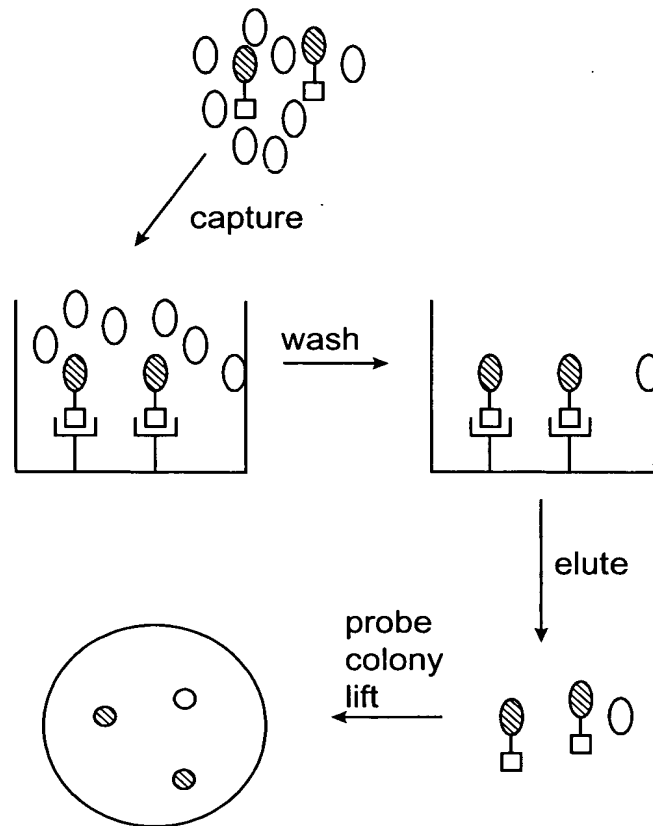


FIG. 21

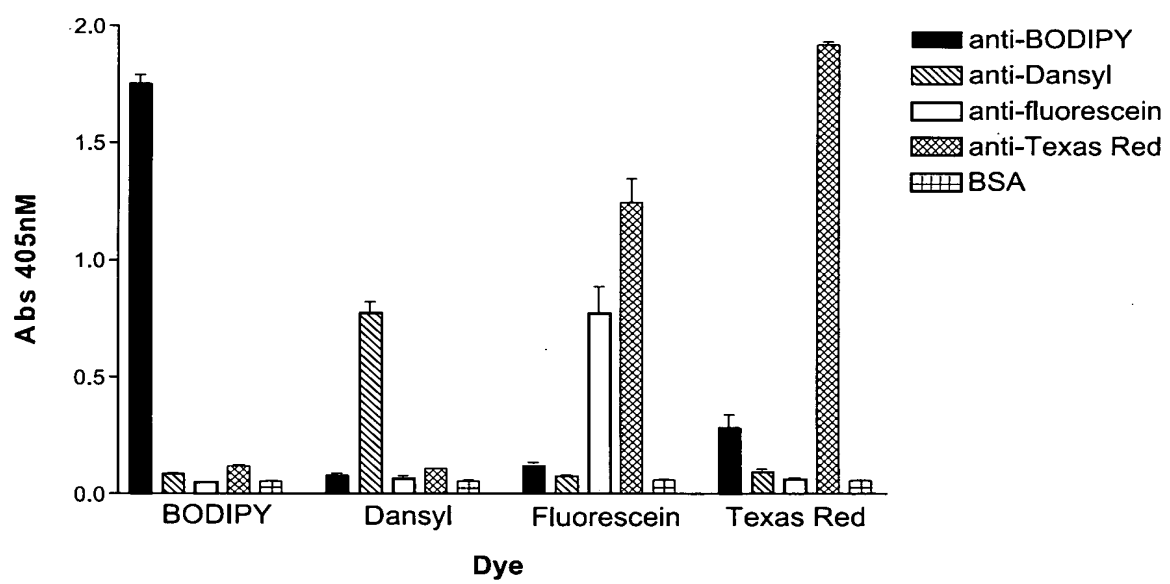


FIG. 22